

FIG. 1

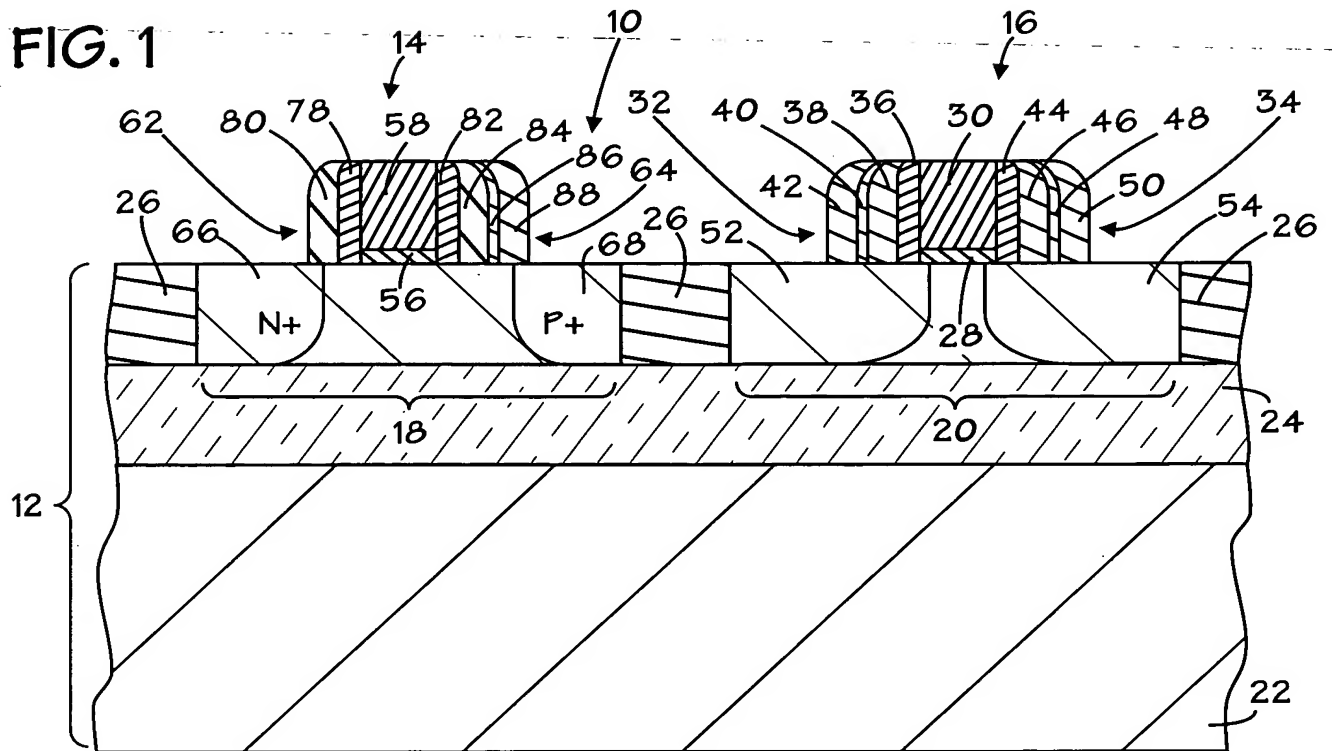
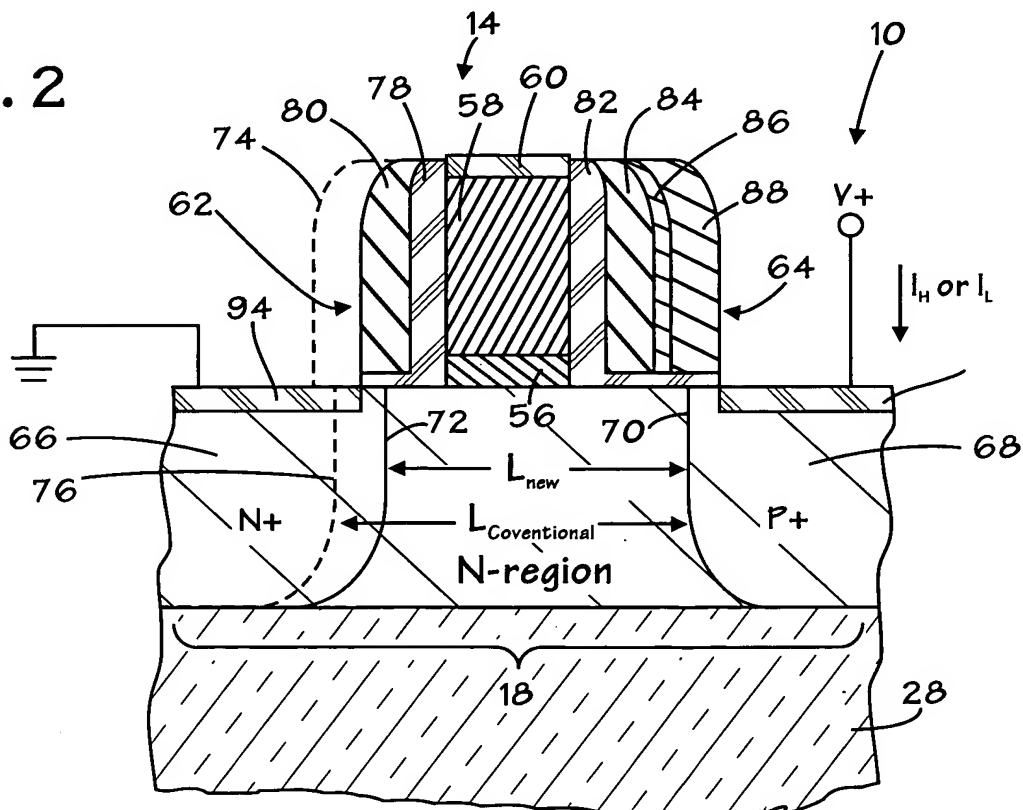


FIG. 2



2/3

FIG. 3

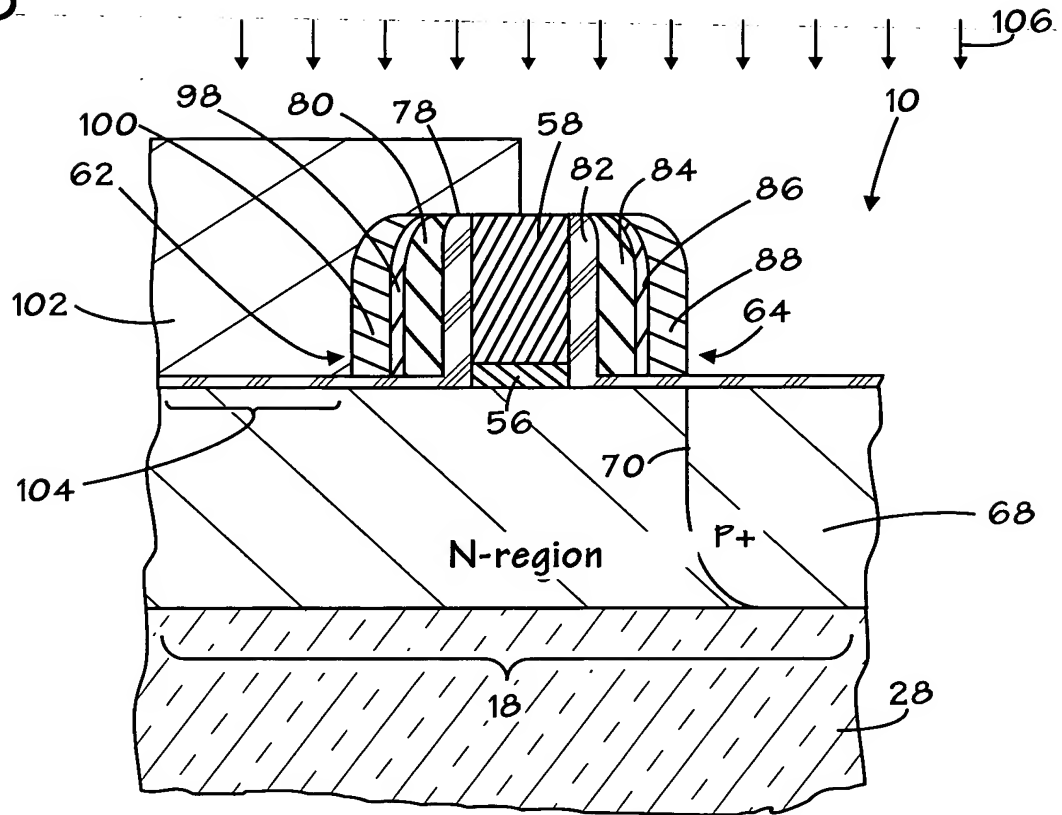
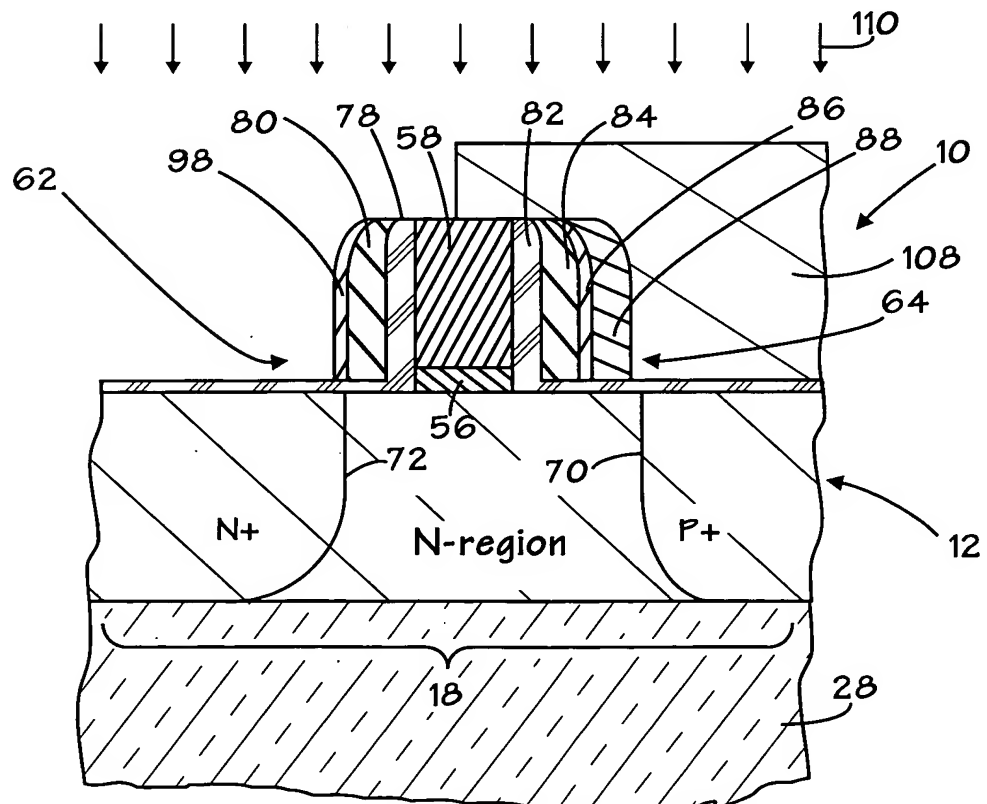


FIG. 4



A cross-sectional view of a semiconductor device 10. The device features a central N-region 70 with N+ regions 72 and P+ regions 74. A new length L_{new} is indicated between the N+ regions. The device is built on a substrate 18 with a layer 28. Various layers and structures are labeled with numbers 62, 64, 66, 68, 78, 80, 82, 84, 86, 88, 98, and 10.